

**Day in the Life of the Hudson River 10/13/22**

**Pier 125<sup>th</sup> St, NYC**

**RIVER MILE: 10**

*Salt Front: ~ RM 76*

**Columbia Secondary School – Diana Lennon**

*34 students & 3 adults*

**Latitude 40 N & Longitude –73 W**

**Location:** Pier on 125<sup>th</sup> Street, Manhattan, NY

**Area:** Concrete pier; used for boating and fishing; at the pier there are birds that are feeding on food scraps or other small organisms around the vicinity. Rocky shoreline, riprap edges and concrete bulkehead.

**Surrounding Land Use:** 100% Urban/Residential

**Sampling Site:** Pier

**Plants in area:** No plants in the water area

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature-</i>	1:39 PM	21.2°C	70.2°F	
<i>Wind Speed:</i>	1:39 PM	<i>Anemometer</i> 4 mph	<i>Beaufort</i> NR	<i>Direction</i> S
<i>Weather today</i>	11:00 AM	>75% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	rather nice and sunny high 60's to low 70s, mild for October after alot of rain the previous week			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	1:39 PM- 1:45 PM	Falling		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	1:39 PM 1:45 PM 1:50 PM	2.5 14.2 19.23		Ebb
<i>Water Temperature-</i>	1:39 PM	18.5°C		
<i>Turbidity- small site tube</i>	1:39 PM	40 JTU		
<b>Chemical</b>				
<i>Salinity-Hydrometer</i>	1:39 PM	23 ppt		
<i>Standardized Salinity</i>				
	-			
<i>DO – Lamotte kit</i>	<i>Time</i> 1:40 PM	<i>Temp</i> 18.5°C	<i>ppm DO</i> 5 ppm	<i>% saturation</i> 85%
<i>pH – Color Match Kit</i>	1:36 PM	7.5		
<i>Nitrates-</i>	NR	0 ppm		
<i>Phosphates-</i>	NR	0 ppm		
<i>Alkalinity- NR</i>				
<b>Biological-NA</b>				
<i>Fish – Did not fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<b>Fish Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<b>Macroinvertebrate</b>	<b>TOTAL:</b>	<b>Diversity:</b>		

<b>Totals</b>					
<i>Sediment Core - NA</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<i>Boats-NR</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>